Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for processing video data of video pictures in a video data processing device for display on a display device having a plurality of luminous elements to suppress a dithering pattern from appearing to a viewer observing a moving object on the picture, the method comprising:

applying a dithering function to at least part of said video data in a dithering device of the video data processing device, wherein the dithering improves a grey scale portrayal of video pictures of said video data,

computing at least one motion vector representing the movement of a moving object on a picture from said video data in a motion estimator device of the video data processing device;

changing at least one of the phase, amplitude, spatial resolution and temporal resolution of said dithering function in accordance with said at least one motion vector representing the movement of a moving object on a picture when applying the dithering function to said video data in the dithering device of the video data processing device to suppress a dithering pattern from appearing to a viewer observing the moving object on the picture; and

outputting the dithered video data from the video data processing device to the display device to suppress a dithering pattern from appearing to a viewer observing the moving object on the picture on the display device.

2. (Previously Presented) The method according to claim 1, wherein said dithering function includes two spatial dimensions and one temporal dimension.

3. (Previously Presented) The method according to claim 1, wherein said dithering function includes the application of a plurality of masks.

4. (Previously Presented) The method according to claim 1, wherein said applying of said dithering function is based on single luminous elements of said

display device.

5. (Previously Presented) The method according to claim 1, wherein said dithering function is a 1-, 2-, 3- or 4- bit dithering function.

6. (Previously Presented) The method according to claim 1, wherein said at least one motion vector is defined for each of a pixel or cell individually.

7 - 16. (Canceled)

17. (Currently Amended) A device for processing video data of video pictures for display on a display device having a plurality of luminous elements, wherein said video data processing device comprises:

a dithering device for applying a changeable dithering function to at least a part of said video data to refine a grey scale portrayal of video pictures of said video data;

a motion estimator connected to said dithering device for computing and providing at least one motion vector representing the movement of a moving object on a picture from said video data,

wherein at least one of a phase, an amplitude, a spatial resolution and a temporal resolution of said dithering function is changed in accordance with said at least one motion vector in the dithering device representing the movement of a moving object on a picture, and

wherein said device for processing video data comprises means for outputting said dithered video data to the display device to suppress a dithering pattern from appearing to a viewer observing the moving object on the display device.

18. (Previously Amended) The device according to Claim 17, wherein said dithering function used by said dithering means device includes two spatial dimensions and a temporal dimension.

19. (Previously Amended) The device according to Claim 17, wherein said dithering

function of said dithering device is based on a plurality of masks.

20. (Previously Amended) The device according to Claim 17, wherein said dithering
function of said dithering device is based on a single luminous
element, said single luminous element called a cell of the display device.

21. (Previously Amended) The device according to Claim 17, wherein said dithering
device is able to process a 1-, 2-, 3- or 4-bit dithering function.

22. (Previously Amended) The device according to Claim 17, wherein said at least
one motion vector is definable for each pixel of the display device individually
by said motion estimation device.

23. (Previously Presented) The device according to Claim 17, wherein said at least
one motion vector includes two spatial dimensions.

24. (Previously Amended) The device according to Claim 17, further comprising
gamma function means connected to said dithering device, so that the
input signals of said dithering device are pre-corrected by a gamma
function.

25. (Previously Amended) The device according to Claim 17, further comprising
controlling means connected to said dithering device for controlling
said dithering device temporally in dependence of frames of said
video data.